



BARGE "1B 1304"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN	BOW	STERN
1 CENTER	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4	00-3/8	- 00-3/8
2 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-7/8	- 00-7/8	01-1/8	- 01-1/8	01-1/4	- 01-1/4
3 CENTER	00-1/4	- 00-1/4	00-3/8	- 00-3/8	00-5/8	- 00-5/8	00-3/4	- 00-3/4	01-0/8	- 01-0/8	01-1/8	- 01-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = $\frac{4'-00''}{2}$
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 CENTER IS - 00-3/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 CENTER, THE TRIM CORRECTED INNAGE IS 3'-11 5/8"

LENGTH BETWEEN DRAFT MARKS: 163'-03"

August 19, 2019

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "IB 1304"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/4"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	231	11,127	23,073	34,805	46,601	58,524	70,448	82,333	94,261	106,189
1/4	305	11,376	23,321	35,045	46,849	58,773	70,696	82,582	94,510	106,438
1/2	455	11,625	23,570	35,285	47,098	59,021	70,945	82,830	94,758	106,685
3/4	530	11,874	23,818	35,525	47,346	59,270	71,193	83,079	95,007	106,935
1	700	12,373	24,316	35,765	47,595	59,518	71,441	83,327	95,255	107,183
1 1/4	871	12,622	24,564	36,004	47,842	59,766	71,690	83,576	95,504	107,432
1 1/2	1,042	12,871	24,813	36,244	48,092	60,015	71,938	83,824	95,752	107,680
1 3/4	1,213	13,120	25,061	36,484	48,340	60,263	72,186	84,073	96,001	107,929
2	1,451	13,369	25,310	36,724	48,588	60,512	72,434	84,321	96,249	108,177
2 1/4	1,690	13,618	25,558	36,964	48,837	60,760	72,682	84,570	96,498	108,426
2 1/2	1,928	13,867	25,807	37,204	49,085	61,009	72,929	84,818	96,746	108,674
2 3/4	2,166	14,116	26,055	37,444	49,334	61,257	73,176	85,067	96,995	108,923
3	2,414	14,365	26,304	37,684	49,582	61,505	73,424	85,315	97,243	109,171
3 1/4	2,662	14,614	26,553	37,926	49,830	61,754	73,671	85,564	97,492	109,420
3 1/2	2,910	14,863	26,801	38,168	50,079	62,002	73,919	85,812	97,740	109,668
4	3,158	15,112	27,050	38,410	50,327	62,251	74,166	86,061	97,989	109,917
4 1/4	3,407	15,361	27,298	38,652	50,576	62,499	74,414	86,309	98,237	110,165
4 1/2	3,656	15,610	27,547	38,901	50,824	62,747	74,661	86,558	98,486	110,414
4 3/4	3,905	15,859	27,795	39,149	51,072	62,996	74,909	86,806	98,734	110,662
5	4,154	16,108	28,044	39,397	51,321	63,244	75,156	87,055	98,983	110,911
5 1/4	4,403	16,357	28,292	39,646	51,569	63,493	75,404	87,303	99,231	111,159
5 1/2	4,652	16,606	28,540	39,894	51,818	63,741	75,651	87,552	99,479	111,408
5 3/4	4,901	16,855	28,788	40,143	52,066	63,989	75,898	87,800	99,728	111,656
6	5,150	17,104	29,037	40,391	52,314	64,238	76,146	88,049	99,977	111,905
6 1/4	5,399	17,353	29,285	40,639	52,563	64,486	76,393	88,297	100,225	112,153
6 1/2	5,648	17,602	29,534	40,888	52,811	64,735	76,641	88,546	100,474	112,402
6 3/4	5,897	17,851	29,782	41,136	53,060	64,983	76,888	88,794	100,722	112,650
7	6,146	18,100	30,030	41,385	53,308	65,231	77,136	89,043	100,971	112,899
7 1/4	6,395	18,349	30,278	41,633	53,556	65,480	77,383	89,291	101,219	113,147
7 1/2	6,644	18,598	30,526	41,881	53,805	65,728	77,631	89,540	101,468	113,396
7 3/4	6,893	18,847	30,774	42,130	54,053	65,977	77,878	89,788	101,716	113,644
8	7,142	19,096	31,022	42,378	54,302	66,225	78,125	90,037	101,965	113,893
8 1/4	7,392	19,344	31,270	42,627	54,550	66,473	78,373	90,285	102,213	114,141
8 1/2	7,641	19,593	31,518	42,875	54,798	66,722	78,620	90,534	102,462	114,390
8 3/4	7,890	19,841	31,766	43,123	55,047	66,970	78,868	90,782	102,710	114,638
9	8,139	20,090	32,014	43,372	55,295	67,219	79,115	91,031	102,959	114,887
9 1/4	8,388	20,339	32,262	43,620	55,544	67,467	79,363	91,279	103,207	115,135
9 1/2	8,637	20,587	32,510	43,869	55,792	67,715	79,611	91,528	103,456	115,384
9 3/4	8,886	20,836	32,758	44,117	56,040	67,964	79,858	91,776	103,704	115,632
10	9,135	21,084	33,006	44,365	56,289	68,212	80,105	92,025	103,953	115,881
10 1/4	9,384	21,333	33,254	44,614	56,537	68,461	80,352	92,273	104,201	116,129
10 1/2	9,633	21,581	33,502	44,862	56,786	68,709	80,600	92,522	104,450	116,377
10 3/4	9,882	21,830	33,750	45,111	57,034	68,957	80,848	92,770	104,698	116,625
11	10,131	22,078	34,000	45,359	57,282	69,206	81,095	93,019	104,947	116,874
11 1/4	10,380	22,327	34,248	45,607	57,531	69,454	81,342	93,267	105,195	117,122
11 1/2	10,629	22,576	34,496	45,856	57,779	69,703	81,590	93,516	105,444	117,370
11 3/4	10,878	22,824	34,744	46,104	58,028	69,951	81,838	93,764	105,692	117,618
12			34,992	46,353	58,276	70,199	82,085	94,013	105,941	117,866

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 30"-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "IB 1304"

1 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 1/4"

	10 FT.	11 FT.	12 FT.	13 FT.	14 FT.	15 FT.	16 FT.	17 FT.	18 FT.	19 FT.
0	118,114	129,205	139,408	149,611	159,813	169,989	0	0	0	0
1/4	118,362	129,418	139,620	149,823	160,026	170,134	1/4	1/4	1/4	1/4
1/2	118,611	129,630	139,833	150,036	160,238	170,280	1/2	1/2	1/2	1/2
3/4	118,859	129,843	140,046	150,248	160,451	170,425	3/4	3/4	3/4	3/4
1	119,107	130,055	140,258	150,461	160,664	170,570	1	1	1	1
1/4	119,355	130,268	140,471	150,673	160,876	170,637	1/4	1/4	1/4	1/4
1/2	119,603	130,480	140,683	150,886	161,089	170,705	1/2	1/2	1/2	1/2
3/4	119,851	130,693	140,896	151,099	161,301	170,772	3/4	3/4	3/4	3/4
2	120,099	130,906	141,108	151,311	161,514	170,840	2	2	2	2
1/4	120,348	131,118	141,321	151,524	161,726	170,860	1/4	1/4	1/4	1/4
1/2	120,596	131,331	141,533	151,736	161,939	170,880	1/2	1/2	1/2	1/2
3/4	120,844	131,543	141,746	151,949	162,152	170,900	3/4	3/4	3/4	3/4
3	121,092	131,756	141,959	152,161	162,364	170,920	3	3	3	3
1/4	121,340	131,968	142,171	152,374	162,577	170,940	1/4	1/4	1/4	1/4
1/2	121,588	132,181	142,384	152,586	162,789	170,960	1/2	1/2	1/2	1/2
3/4	121,837	132,394	142,596	152,799	163,002	170,980	3/4	3/4	3/4	3/4
4	122,085	132,606	142,809	153,012	163,214	171,000	4	4	4	4
1/4	122,333	132,819	143,021	153,224	163,427	171,020	1/4	1/4	1/4	1/4
1/2	122,581	133,031	143,234	153,437	163,639	171,040	1/2	1/2	1/2	1/2
3/4	122,829	133,244	143,446	153,649	163,852	171,060	3/4	3/4	3/4	3/4
5	123,077	133,456	143,659	153,862	164,065	171,080	5	5	5	5
1/4	123,321	133,669	143,872	154,074	164,277	171,100	1/4	1/4	1/4	1/4
1/2	123,564	133,881	144,084	154,287	164,490	171,120	1/2	1/2	1/2	1/2
3/4	123,808	134,094	144,297	154,499	164,702	171,140	3/4	3/4	3/4	3/4
6	124,052	134,307	144,509	154,712	164,915	171,160	6	6	6	6
1/4	124,277	134,519	144,722	154,925	165,127	171,180	1/4	1/4	1/4	1/4
1/2	124,503	134,732	144,934	155,137	165,340	171,200	1/2	1/2	1/2	1/2
3/4	124,728	134,944	145,147	155,350	165,552	171,220	3/4	3/4	3/4	3/4
7	124,954	135,157	145,359	155,562	165,765	171,240	7	7	7	7
1/4	125,167	135,369	145,572	155,775	165,978	171,260	1/4	1/4	1/4	1/4
1/2	125,379	135,582	145,785	155,987	166,190	171,280	1/2	1/2	1/2	1/2
3/4	125,592	135,794	145,997	156,200	166,403	171,300	3/4	3/4	3/4	3/4
8	125,804	136,007	146,210	156,412	166,615	171,320	8	8	8	8
1/4	126,017	136,220	146,422	156,625	166,828	171,340	1/4	1/4	1/4	1/4
1/2	126,229	136,432	146,635	156,838	167,040	171,360	1/2	1/2	1/2	1/2
3/4	126,442	136,645	146,847	157,050	167,253	171,380	3/4	3/4	3/4	3/4
9	126,654	136,857	147,060	157,263	167,465	171,400	9	9	9	9
1/4	126,867	137,070	147,273	157,475	167,677	171,420	1/4	1/4	1/4	1/4
1/2	127,080	137,282	147,485	157,688	167,889	171,440	1/2	1/2	1/2	1/2
3/4	127,292	137,495	147,698	157,900	168,101	171,460	3/4	3/4	3/4	3/4
10	127,505	137,707	147,910	158,113	168,313	171,480	10	10	10	10
1/4	127,717	137,920	148,123	158,325	168,525	171,500	1/4	1/4	1/4	1/4
1/2	127,930	138,133	148,335	158,538	168,740	171,520	1/2	1/2	1/2	1/2
3/4	128,142	138,345	148,548	158,751	168,953	171,540	3/4	3/4	3/4	3/4
11	128,355	138,558	148,760	158,963	169,166	171,560	11	11	11	11
1/4	128,567	138,770	148,973	159,176	169,378	171,580	1/4	1/4	1/4	1/4
1/2	128,780	138,983	149,186	159,388	169,591	171,600	1/2	1/2	1/2	1/2
3/4	128,993	139,195	149,398	159,601	169,803	171,620	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
 CALCULATED: 08/19/2019 CL
 PRINTED: 08/19/2019 CL
 CANCELLED AND SUPERCEDES
 ALL PRIOR TO 08/20/19

PRECISION MEASUREMENT
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BARGE "IB 1304"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												GAUGE HEIGHT 16'-02"											
IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.				
0	74	0	9,447	0	19,730	0	29,854	0	40,044	0	50,328	0	60,611	0	70,895	0	81,178	0	91,462				
1/4	138	1/4	9,661	1/4	19,944	1/4	30,062	1/4	40,258	1/4	50,542	1/4	60,825	1/4	71,109	1/4	81,393	1/4	91,676				
1/2	202	1/2	9,875	1/2	20,159	1/2	30,270	1/2	40,472	1/2	50,756	1/2	61,040	1/2	71,323	1/2	81,607	1/2	91,891				
3/4	267	3/4	10,090	3/4	20,373	3/4	30,478	3/4	40,687	3/4	50,970	3/4	61,254	3/4	71,538	3/4	81,821	3/4	92,105				
1	331	1	10,304	1	20,587	1	30,686	1	40,901	1	51,185	1	61,468	1	71,752	1	82,035	1	92,319				
1 1/4	478	1 1/4	10,518	1 1/4	20,801	1 1/4	30,894	1 1/4	41,115	1 1/4	51,399	1 1/4	61,682	1 1/4	71,966	1 1/4	82,250	1 1/4	92,533				
1 1/2	625	1 1/2	10,732	1 1/2	21,015	1 1/2	31,102	1 1/2	41,344	1 1/2	51,613	1 1/2	61,897	1 1/2	72,180	1 1/2	82,464	1 1/2	92,748				
1 3/4	772	1 3/4	10,947	1 3/4	21,230	1 3/4	31,310	1 3/4	41,544	1 3/4	51,827	1 3/4	62,111	1 3/4	72,395	1 3/4	82,679	1 3/4	92,962				
2	919	2	11,161	2	21,444	2	31,518	2	41,758	2	52,041	2	62,325	2	72,609	2	82,892	2	93,176				
1/4	1,124	1/4	11,375	1/4	21,658	1/4	31,726	1/4	41,972	1/4	52,256	1/4	62,539	1/4	72,823	1/4	83,107	1/4	93,390				
1/2	1,329	1/2	11,589	1/2	21,872	1/2	31,934	1/2	42,186	1/2	52,470	1/2	62,754	1/2	73,037	1/2	83,321	1/2	93,605				
3/4	1,534	3/4	11,803	3/4	22,087	3/4	32,142	3/4	42,401	3/4	52,684	3/4	62,968	3/4	73,252	3/4	83,535	3/4	93,819				
1	1,739	1	12,018	1	22,301	1	32,350	1	42,615	1	52,898	1	63,182	1	73,466	1	83,749	1	94,033				
1 1/4	1,952	1 1/4	12,232	1 1/4	22,515	1 1/4	32,559	1 1/4	42,829	1 1/4	53,113	1 1/4	63,396	1 1/4	73,680	1 1/4	83,964	1 1/4	94,247				
1 1/2	2,165	1 1/2	12,446	1 1/2	22,729	1 1/2	32,769	1 1/2	43,043	1 1/2	53,327	1 1/2	63,611	1 1/2	73,894	1 1/2	84,178	1 1/2	94,462				
1 3/4	2,379	1 3/4	12,660	1 3/4	22,944	1 3/4	32,979	1 3/4	43,258	1 3/4	53,541	1 3/4	63,825	1 3/4	74,108	1 3/4	84,392	1 3/4	94,676				
2	2,592	2	12,875	2	23,158	2	33,188	2	43,472	2	53,755	2	64,039	2	74,323	2	84,606	2	94,890				
1/4	2,806	1/4	13,089	1/4	23,372	1/4	33,402	1/4	43,686	1/4	53,970	1/4	64,253	1/4	74,537	1/4	84,821	1/4	95,104				
1/2	3,020	1/2	13,303	1/2	23,586	1/2	33,617	1/2	43,900	1/2	54,184	1/2	64,468	1/2	74,751	1/2	85,035	1/2	95,318				
3/4	3,234	3/4	13,517	3/4	23,801	3/4	33,831	3/4	44,115	3/4	54,398	3/4	64,682	3/4	74,965	3/4	85,249	3/4	95,533				
1	3,448	1	13,732	1	24,015	1	34,045	1	44,329	1	54,612	1	64,896	1	75,180	1	85,463	1	95,747				
1 1/4	3,663	1 1/4	13,946	1 1/4	24,227	1 1/4	34,259	1 1/4	44,543	1 1/4	54,827	1 1/4	65,110	1 1/4	75,394	1 1/4	85,678	1 1/4	95,961				
1 1/2	3,877	1 1/2	14,160	1 1/2	24,440	1 1/2	34,474	1 1/2	44,757	1 1/2	55,041	1 1/2	65,325	1 1/2	75,608	1 1/2	85,892	1 1/2	96,175				
1 3/4	4,091	1 3/4	14,374	1 3/4	24,653	1 3/4	34,688	1 3/4	44,971	1 3/4	55,255	1 3/4	65,539	1 3/4	75,822	1 3/4	86,106	1 3/4	96,390				
2	4,305	2	14,588	2	24,865	2	34,902	2	45,185	2	55,469	2	65,753	2	76,037	2	86,320	2	96,604				
1/4	4,519	1/4	14,803	1/4	25,073	1/4	35,116	1/4	45,400	1/4	55,684	1/4	65,967	1/4	76,251	1/4	86,535	1/4	96,818				
1/2	4,734	1/2	15,017	1/2	25,281	1/2	35,331	1/2	45,614	1/2	55,898	1/2	66,181	1/2	76,465	1/2	86,749	1/2	97,032				
3/4	4,948	3/4	15,231	3/4	25,488	3/4	35,545	3/4	45,828	3/4	56,112	3/4	66,396	3/4	76,679	3/4	86,963	3/4	97,247				
1	5,162	1	15,445	1	25,696	1	35,759	1	46,043	1	56,326	1	66,610	1	76,894	1	87,177	1	97,461				
1 1/4	5,376	1 1/4	15,660	1 1/4	25,904	1 1/4	35,973	1 1/4	46,257	1 1/4	56,541	1 1/4	66,824	1 1/4	77,108	1 1/4	87,392	1 1/4	97,675				
1 1/2	5,591	1 1/2	15,874	1 1/2	26,112	1 1/2	36,188	1 1/2	46,471	1 1/2	56,755	1 1/2	67,038	1 1/2	77,322	1 1/2	87,606	1 1/2	97,889				
1 3/4	5,805	1 3/4	16,088	1 3/4	26,319	1 3/4	36,402	1 3/4	46,685	1 3/4	56,969	1 3/4	67,253	1 3/4	77,536	1 3/4	87,820	1 3/4	98,104				
2	6,019	2	16,302	2	26,527	2	36,616	2	46,900	2	57,183	2	67,467	2	77,751	2	88,034	2	98,318				
1/4	6,233	1/4	16,517	1/4	26,735	1/4	36,830	1/4	47,114	1/4	57,398	1/4	67,681	1/4	77,965	1/4	88,248	1/4	98,532				
1/2	6,448	1/2	16,731	1/2	26,943	1/2	37,045	1/2	47,328	1/2	57,612	1/2	67,895	1/2	78,179	1/2	88,463	1/2	98,746				
3/4	6,662	3/4	16,945	3/4	27,151	3/4	37,259	3/4	47,542	3/4	57,826	3/4	68,110	3/4	78,393	3/4	88,677	3/4	98,961				
1	6,876	1	17,159	1	27,359	1	37,473	1	47,757	1	58,040	1	68,324	1	78,608	1	88,891	1	99,175				
1 1/4	7,090	1 1/4	17,374	1 1/4	27,567	1 1/4	37,687	1 1/4	47,971	1 1/4	58,255	1 1/4	68,538	1 1/4	78,822	1 1/4	89,105	1 1/4	99,389				
1 1/2	7,305	1 1/2	17,588	1 1/2	27,775	1 1/2	37,901	1 1/2	48,185	1 1/2	58,469	1 1/2	68,752	1 1/2	79,036	1 1/2	89,320	1 1/2	99,603				
1 3/4	7,519	1 3/4	17,802	1 3/4	27,983	1 3/4	38,116	1 3/4	48,399	1 3/4	58,683	1 3/4	68,967	1 3/4	79,250	1 3/4	89,534	1 3/4	99,818				
2	7,733	2	18,016	2	28,191	2	38,330	2	48,614	2	58,897	2	69,181	2	79,465	2	89,748	2	100,032				
1/4	7,947	1/4	18,230	1/4	28,399	1/4	38,544	1/4	48,828	1/4	59,111	1/4	69,395	1/4	79,679	1/4	89,962	1/4	100,246				
1/2	8,161	1/2	18,445	1/2	28,607	1/2	38,758	1/2	49,042	1/2	59,326	1/2	69,609	1/2	79,893	1/2	90,177	1/2	100,460				
3/4	8,376	3/4	18,659	3/4	28,815	3/4	38,973	3/4	49,256	3/4	59,540	3/4	69,824	3/4	80,107	3/4	90,391	3/4	100,675				
1	8,590	1	18,873	1	29,022	1	39,187	1	49,471	1	59,754	1	70,038	1	80,322	1	90,605	1	100,889				
1 1/4	8,804	1 1/4	19,087	1 1/4	29,230	1 1/4	39,401	1 1/4	49,685	1 1/4	59,968	1 1/4	70,252	1 1/4	80,536	1 1/4	90,819	1 1/4	101,103				
1 1/2	9,018	1 1/2	19,302	1 1/2	29,438	1 1/2	39,615	1 1/2	49,899	1 1/2	60,183	1 1/2	70,466	1 1/2	80,750	1 1/2	91,034	1 1/2	101,317				
1 3/4	9,233	1 3/4	19,516	1 3/4	29,646	1 3/4	39,830	1 3/4	50,113	1 3/4	60,397	1 3/4	70,681	1 3/4	80,964	1 3/4	91,248	1 3/4	101,532				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH ILMMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 23'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P. O. Box 2092
Pearland, Texas 77588
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BARGE "IB 1304"

2 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

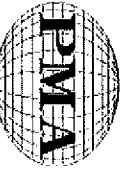
GAUGE HEIGHT 16'-02"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	101,746	0	112,029	0	122,313	0	132,597	0	142,880	0	153,047	0	163,214	0	173,382	0	183,549	0	193,716
1/4	101,960	1/4	112,244	1/4	122,527	1/4	132,811	1/4	143,095	1/4	153,172	1/4	163,250	1/4	173,327	1/4	183,404	1/4	193,481
1/2	102,174	1/2	112,458	1/2	122,742	1/2	133,026	1/2	143,309	1/2	153,297	1/2	163,375	1/2	173,453	1/2	183,531	1/2	193,609
3/4	102,388	3/4	112,672	3/4	122,956	3/4	133,239	3/4	143,523	3/4	153,422	3/4	163,500	3/4	173,578	3/4	183,656	3/4	193,734
1	102,603	1	112,886	1	123,170	1	133,454	1	143,737	1	153,547	1	163,625	1	173,703	1	183,781	1	193,859
1/4	102,817	1/4	113,101	1/4	123,384	1/4	133,668	1/4	143,952	1/4	153,665	1/4	163,743	1/4	173,821	1/4	183,899	1/4	193,977
1/2	103,031	1/2	113,315	1/2	123,599	1/2	133,882	1/2	144,166	1/2	153,683	1/2	163,761	1/2	173,839	1/2	183,917	1/2	193,995
3/4	103,245	3/4	113,529	3/4	123,813	3/4	134,096	3/4	144,380	3/4	153,721	3/4	163,799	3/4	173,877	3/4	183,955	3/4	194,033
2	103,460	2	113,743	2	124,027	2	134,311	2	144,594	2	153,779	2	163,857	2	173,935	2	184,013	2	194,091
1/4	103,674	1/4	113,958	1/4	124,241	1/4	134,525	1/4	144,809	1/4	153,797	1/4	163,875	1/4	173,953	1/4	184,031	1/4	194,107
1/2	103,888	1/2	114,172	1/2	124,455	1/2	134,739	1/2	145,023	1/2	153,811	1/2	163,877	1/2	173,933	1/2	184,009	1/2	194,075
3/4	104,102	3/4	114,386	3/4	124,670	3/4	134,953	3/4	145,237	3/4	153,893	3/4	163,949	3/4	174,005	3/4	184,071	3/4	194,137
3	104,317	3	114,600	3	124,884	3	135,168	3	145,451	3	153,917	3	164,073	3	174,129	3	184,195	3	194,201
1/4	104,531	1/4	114,815	1/4	125,098	1/4	135,382	1/4	145,666	1/4	154,035	1/4	164,187	1/4	174,243	1/4	184,309	1/4	194,315
1/2	104,745	1/2	115,029	1/2	125,312	1/2	135,596	1/2	145,880	1/2	154,113	1/2	164,291	1/2	174,349	1/2	184,415	1/2	194,421
3/4	104,959	3/4	115,243	3/4	125,527	3/4	135,810	3/4	146,094	3/4	154,141	3/4	164,395	3/4	174,453	3/4	184,521	3/4	194,527
4	105,174	4	115,457	4	125,741	4	136,026	4	146,308	4	154,171	4	164,499	4	174,555	4	184,627	4	194,631
1/4	105,388	1/4	115,672	1/4	125,955	1/4	136,239	1/4	146,522	1/4	154,200	1/4	164,602	1/4	174,658	1/4	184,730	1/4	194,735
1/2	105,602	1/2	115,886	1/2	126,169	1/2	136,453	1/2	146,737	1/2	154,225	1/2	164,705	1/2	174,763	1/2	184,835	1/2	194,839
3/4	105,816	3/4	116,100	3/4	126,384	3/4	136,667	3/4	146,951	3/4	154,249	3/4	164,809	3/4	174,887	3/4	184,957	3/4	194,943
5	106,031	5	116,314	5	126,598	5	136,882	5	147,165	5	154,273	5	164,931	5	174,995	5	185,063	5	195,049
1/4	106,245	1/4	116,529	1/4	126,812	1/4	137,096	1/4	147,379	1/4	154,297	1/4	165,035	1/4	175,099	1/4	185,167	1/4	195,153
1/2	106,459	1/2	116,743	1/2	127,026	1/2	137,310	1/2	147,594	1/2	154,321	1/2	165,157	1/2	175,223	1/2	185,291	1/2	195,267
3/4	106,673	3/4	116,957	3/4	127,241	3/4	137,524	3/4	147,808	3/4	154,345	3/4	165,219	3/4	175,337	3/4	185,405	3/4	195,381
6	106,888	6	117,171	6	127,455	6	137,739	6	148,022	6	154,369	6	165,283	6	175,451	6	185,519	6	195,495
1/4	107,102	1/4	117,385	1/4	127,669	1/4	137,953	1/4	148,236	1/4	154,393	1/4	165,347	1/4	175,565	1/4	185,633	1/4	195,609
1/2	107,316	1/2	117,600	1/2	127,883	1/2	138,167	1/2	148,451	1/2	154,417	1/2	165,409	1/2	175,679	1/2	185,751	1/2	195,723
3/4	107,530	3/4	117,814	3/4	128,098	3/4	138,381	3/4	148,665	3/4	154,441	3/4	165,473	3/4	175,793	3/4	185,865	3/4	195,837
7	107,745	7	118,028	7	128,312	7	138,595	7	148,879	7	154,465	7	165,537	7	175,907	7	186,079	7	196,051
1/4	107,959	1/4	118,242	1/4	128,526	1/4	138,810	1/4	149,093	1/4	154,489	1/4	165,601	1/4	176,021	1/4	186,193	1/4	196,165
1/2	108,173	1/2	118,457	1/2	128,740	1/2	139,024	1/2	149,308	1/2	154,513	1/2	165,665	1/2	176,135	1/2	186,307	1/2	196,279
3/4	108,387	3/4	118,671	3/4	128,955	3/4	139,238	3/4	149,522	3/4	154,537	3/4	165,729	3/4	176,249	3/4	186,421	3/4	196,393
8	108,602	8	118,885	8	129,169	8	139,452	8	149,736	8	154,561	8	165,793	8	176,363	8	186,535	8	196,507
1/4	108,816	1/4	119,099	1/4	129,383	1/4	139,667	1/4	149,950	1/4	154,585	1/4	165,857	1/4	176,477	1/4	186,649	1/4	196,621
1/2	109,030	1/2	119,314	1/2	129,597	1/2	139,881	1/2	150,164	1/2	154,609	1/2	165,921	1/2	176,591	1/2	186,763	1/2	196,735
3/4	109,244	3/4	119,528	3/4	129,812	3/4	140,095	3/4	150,379	3/4	154,633	3/4	165,985	3/4	176,705	3/4	186,877	3/4	196,849
9	109,459	9	119,742	9	130,026	9	140,309	9	150,593	9	154,657	9	166,049	9	176,819	9	187,091	9	197,063
1/4	109,673	1/4	119,956	1/4	130,240	1/4	140,524	1/4	150,807	1/4	154,681	1/4	166,113	1/4	176,933	1/4	187,205	1/4	197,177
1/2	109,887	1/2	120,171	1/2	130,454	1/2	140,738	1/2	151,020	1/2	154,705	1/2	166,177	1/2	177,047	1/2	187,319	1/2	197,291
3/4	110,101	3/4	120,385	3/4	130,669	3/4	140,952	3/4	151,234	3/4	154,729	3/4	166,241	3/4	177,161	3/4	187,433	3/4	197,405
10	110,315	10	120,599	10	130,883	10	141,166	10	151,448	10	154,753	10	166,305	10	177,275	10	187,547	10	197,519
1/4	110,530	1/4	120,813	1/4	131,097	1/4	141,381	1/4	151,659	1/4	154,777	1/4	166,369	1/4	177,389	1/4	187,661	1/4	197,633
1/2	110,744	1/2	121,028	1/2	131,311	1/2	141,595	1/2	151,870	1/2	154,801	1/2	166,433	1/2	177,503	1/2	187,775	1/2	197,747
3/4	110,958	3/4	121,242	3/4	131,525	3/4	141,809	3/4	152,081	3/4	154,825	3/4	166,497	3/4	177,617	3/4	187,889	3/4	197,861
11	111,172	11	121,456	11	131,740	11	142,023	11	152,292	11	154,849	11	166,561	11	177,731	11	188,003	11	197,975
1/4	111,387	1/4	121,670	1/4	131,954	1/4	142,238	1/4	152,481	1/4	154,873	1/4	166,625	1/4	177,845	1/4	188,117	1/4	198,089
1/2	111,601	1/2	121,885	1/2	132,168	1/2	142,452	1/2	152,669	1/2	154,897	1/2	166,689	1/2	177,959	1/2	188,231	1/2	198,203
3/4	111,815	3/4	122,099	3/4	132,382	3/4	142,666	3/4	152,858	3/4	154,921	3/4	166,753	3/4	178,073	3/4	188,345	3/4	198,317

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
 CALCULATED: 08/19/2019 CL
 PRINTED: 08/19/2019 CL
 CANCEL'S AND SUPERCEDES
 ALL PRIOR TO 08/20/19

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P O Box 2052
 Pearland, Texas 77588
 http://www.pima.com.net



BARGE "IB 1304"

3 CENTER INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-01 5/8"

IN	0 FT.	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.	7 FT.	8 FT.	9 FT.
0	74	9,519	19,881	30,219	40,569	50,931	61,293	71,656	82,018	92,381
1/2	139	9,735	20,097	30,434	40,785	51,147	61,509	71,872	82,234	92,596
1	204	9,951	20,313	30,649	41,000	51,363	61,725	72,088	82,450	92,812
3/4	268	10,167	20,528	30,883	41,216	51,579	61,941	72,303	82,666	93,028
1	333	10,382	20,744	31,078	41,432	51,795	62,157	72,519	82,882	93,244
1 1/4	481	10,598	20,960	31,293	41,648	52,010	62,373	72,735	83,098	93,460
1 1/2	629	10,814	21,176	31,508	41,864	52,226	62,589	72,951	83,313	93,676
3/4	777	11,030	21,392	31,723	42,080	52,442	62,805	73,167	83,529	93,892
2	925	11,246	21,608	31,938	42,296	52,658	63,020	73,383	83,745	94,108
1/4	1,132	11,462	21,824	32,153	42,512	52,874	63,236	73,599	83,961	94,323
1/2	1,339	11,678	22,040	32,369	42,728	53,090	63,452	73,815	84,177	94,539
3/4	1,545	11,894	22,255	32,584	42,943	53,306	63,668	74,031	84,393	94,755
3	1,752	12,109	22,471	32,799	43,159	53,522	63,884	74,246	84,609	94,971
1/4	1,967	12,325	22,687	33,014	43,375	53,738	64,100	74,462	84,825	95,187
1/2	2,182	12,541	22,903	33,230	43,591	53,953	64,316	74,678	85,041	95,403
3/4	2,397	12,757	23,119	33,445	43,807	54,169	64,532	74,894	85,256	95,619
4	2,612	12,973	23,335	33,660	44,023	54,385	64,748	75,110	85,472	95,835
1/4	2,827	13,189	23,551	33,876	44,239	54,601	64,963	75,326	85,688	96,051
1/2	3,043	13,405	23,767	34,092	44,455	54,817	65,179	75,542	85,904	96,266
3/4	3,259	13,621	23,982	34,308	44,670	55,033	65,395	75,758	86,120	96,482
5	3,474	13,836	24,198	34,524	44,886	55,249	65,611	75,973	86,336	96,698
1/4	3,690	14,052	24,414	34,740	45,102	55,465	65,827	76,189	86,552	96,914
1/2	3,906	14,268	24,630	34,956	45,318	55,680	66,043	76,405	86,768	97,130
3/4	4,122	14,484	24,845	35,172	45,534	55,896	66,259	76,621	86,983	97,346
6	4,338	14,700	25,061	35,387	45,750	56,112	66,475	76,837	87,199	97,562
1/4	4,554	14,916	25,276	35,603	45,966	56,328	66,690	77,053	87,415	97,778
1/2	4,770	15,132	25,491	35,819	46,182	56,544	66,906	77,269	87,631	97,994
3/4	4,986	15,348	25,706	36,035	46,398	56,760	67,122	77,485	87,847	98,209
7	5,201	15,563	25,921	36,251	46,613	56,976	67,338	77,701	88,063	98,425
1/4	5,417	15,779	26,135	36,465	46,829	57,192	67,554	77,916	88,279	98,641
1/2	5,633	15,995	26,350	36,683	47,045	57,408	67,770	78,132	88,495	98,857
3/4	5,849	16,211	26,565	36,899	47,261	57,623	67,986	78,348	88,711	99,073
8	6,065	16,427	26,780	37,115	47,477	57,839	68,202	78,564	88,926	99,289
1/4	6,281	16,643	26,995	37,330	47,693	58,055	68,418	78,780	89,142	99,505
1/2	6,497	16,859	27,210	37,546	47,909	58,271	68,633	78,996	89,358	99,721
3/4	6,713	17,075	27,425	37,762	48,125	58,487	68,849	79,212	89,574	99,936
9	6,928	17,290	27,640	37,978	48,340	58,703	69,065	79,428	89,790	100,152
1/4	7,144	17,506	27,855	38,194	48,556	58,919	69,281	79,643	89,006	100,368
1/2	7,360	17,722	28,070	38,410	48,772	59,135	69,497	79,859	90,222	100,584
3/4	7,576	17,938	28,285	38,626	48,988	59,350	69,713	80,075	90,438	100,800
10	7,792	18,154	28,499	38,842	49,204	59,566	69,929	80,291	90,653	101,016
1/4	8,008	18,370	28,714	39,057	49,420	59,782	70,145	80,507	90,869	101,232
1/2	8,224	18,586	28,929	39,273	49,636	59,998	70,361	80,723	91,085	101,448
3/4	8,440	18,802	29,144	39,489	49,852	60,214	70,576	80,939	91,301	101,664
11	8,655	19,017	29,359	39,705	50,068	60,430	70,792	81,155	91,517	101,879
1/4	8,871	19,233	29,574	39,921	50,283	60,646	71,008	81,371	91,733	102,095
1/2	9,087	19,449	29,789	40,137	50,499	60,862	71,224	81,586	91,949	102,311
3/4	9,303	19,665	30,004	40,353	50,715	61,078	71,440	81,802	92,165	102,527

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH IAPMO CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO INNAGE TAKEN TO TOP OF 2" DIAMETER "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED ON CENTERLINE AND 24'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.
P. O. Box 2082
Pearland, Texas 77668
http://www.pmaoerp.net



BARGE "B 1304"

3 CENTER INNAGE TABLE

CAPACITIES IN WHOLE GALLONS		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	0 FT.	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0	IN	0
0	102,743	0	113,105	0	123,468	0	133,830	0	144,192	0	154,553	0	164,915	0	175,277	0	185,639	0	196,001
1/4	102,959	1/4	113,321	1/4	123,684	1/4	134,046	1/4	144,408	1/4	154,770	1/4	165,132	1/4	175,494	1/4	185,856	1/4	196,218
1/2	103,175	1/2	113,537	1/2	123,899	1/2	134,262	1/2	144,624	1/2	154,986	1/2	165,348	1/2	175,710	1/2	186,072	1/2	196,434
3/4	103,391	3/4	113,753	3/4	124,115	3/4	134,478	3/4	144,840	3/4	155,202	3/4	165,564	3/4	175,926	3/4	186,288	3/4	196,650
1	103,606	1	113,969	1	124,331	1	134,694	1	145,056	1	155,418	1	165,780	1	176,142	1	186,504	1	196,866
1/4	103,822	1/4	114,185	1/4	124,547	1/4	134,909	1/4	145,272	1/4	155,634	1/4	165,996	1/4	176,358	1/4	186,720	1/4	197,082
1/2	104,038	1/2	114,401	1/2	124,763	1/2	135,125	1/2	145,488	1/2	155,850	1/2	166,212	1/2	176,574	1/2	186,936	1/2	197,298
3/4	104,254	3/4	114,616	3/4	124,979	3/4	135,341	3/4	145,704	3/4	156,066	3/4	166,428	3/4	176,790	3/4	187,152	3/4	197,514
1	104,470	1	114,832	1	125,195	1	135,557	1	145,919	1	156,281	1	166,643	1	177,005	1	187,367	1	197,729
1/4	104,686	1/4	115,048	1/4	125,411	1/4	135,773	1/4	146,135	1/4	156,497	1/4	166,859	1/4	177,221	1/4	187,583	1/4	197,945
1/2	104,902	1/2	115,264	1/2	125,627	1/2	135,989	1/2	146,351	1/2	156,713	1/2	167,075	1/2	177,437	1/2	187,799	1/2	198,161
3/4	105,118	3/4	115,480	3/4	125,842	3/4	136,205	3/4	146,567	3/4	156,929	3/4	167,291	3/4	177,653	3/4	188,015	3/4	198,377
1	105,334	1	115,696	1	126,058	1	136,421	1	146,783	1	157,145	1	167,507	1	177,869	1	188,231	1	198,593
1/4	105,549	1/4	115,912	1/4	126,274	1/4	136,637	1/4	147,000	1/4	157,362	1/4	167,724	1/4	178,086	1/4	188,448	1/4	198,810
1/2	105,765	1/2	116,128	1/2	126,490	1/2	136,852	1/2	147,215	1/2	157,577	1/2	167,939	1/2	178,301	1/2	188,663	1/2	199,025
3/4	105,981	3/4	116,344	3/4	126,706	3/4	137,068	3/4	147,431	3/4	157,793	3/4	168,155	3/4	178,517	3/4	188,879	3/4	199,241
1	106,197	1	116,559	1	126,922	1	137,284	1	147,647	1	158,009	1	168,371	1	178,733	1	189,095	1	199,457
1/4	106,413	1/4	116,775	1/4	127,138	1/4	137,500	1/4	147,862	1/4	158,224	1/4	168,586	1/4	178,948	1/4	189,310	1/4	199,672
1/2	106,629	1/2	116,991	1/2	127,354	1/2	137,716	1/2	148,078	1/2	158,440	1/2	168,802	1/2	179,164	1/2	189,526	1/2	199,888
3/4	106,845	3/4	117,207	3/4	127,569	3/4	137,932	3/4	148,294	3/4	158,656	3/4	169,018	3/4	179,380	3/4	189,742	3/4	200,104
1	107,061	1	117,423	1	127,785	1	138,148	1	148,510	1	158,872	1	169,234	1	179,596	1	190,000	1	200,364
1/4	107,276	1/4	117,639	1/4	128,001	1/4	138,364	1/4	148,726	1/4	159,088	1/4	169,450	1/4	179,812	1/4	190,176	1/4	200,528
1/2	107,492	1/2	117,855	1/2	128,217	1/2	138,579	1/2	148,942	1/2	159,304	1/2	169,666	1/2	180,028	1/2	190,390	1/2	200,750
3/4	107,708	3/4	118,071	3/4	128,433	3/4	138,795	3/4	149,158	3/4	159,520	3/4	169,882	3/4	180,244	3/4	190,606	3/4	201,014
1	108,140	1	118,286	1	128,649	1	139,011	1	149,374	1	159,736	1	170,098	1	180,460	1	190,822	1	201,186
1/4	108,356	1/4	118,502	1/4	128,865	1/4	139,227	1/4	149,589	1/4	160,000	1/4	170,362	1/4	180,724	1/4	191,086	1/4	201,448
1/2	108,572	1/2	118,718	1/2	129,081	1/2	139,443	1/2	149,805	1/2	160,166	1/2	170,528	1/2	180,890	1/2	191,250	1/2	201,610
3/4	108,788	3/4	118,934	3/4	129,297	3/4	139,659	3/4	150,168	3/4	170,530	3/4	180,892	3/4	191,254	3/4	201,614	3/4	201,976
1	109,004	1	119,150	1	129,512	1	139,875	1	150,237	1	170,599	1	180,961	1	191,321	1	201,683	1	202,045
1/4	109,219	1/4	119,366	1/4	129,728	1/4	140,091	1/4	150,453	1/4	170,811	1/4	181,173	1/4	191,535	1/4	201,897	1/4	202,259
1/2	109,435	1/2	119,582	1/2	129,944	1/2	140,307	1/2	150,669	1/2	171,023	1/2	181,385	1/2	191,747	1/2	202,109	1/2	202,471
3/4	109,651	3/4	119,798	3/4	130,160	3/4	140,522	3/4	150,885	3/4	171,239	3/4	181,601	3/4	191,963	3/4	202,321	3/4	202,683
1	109,867	1	120,014	1	130,376	1	140,738	1	151,101	1	171,465	1	181,827	1	192,189	1	202,547	1	202,909
1/4	110,083	1/4	120,229	1/4	130,592	1/4	140,954	1/4	151,316	1/4	171,681	1/4	182,043	1/4	192,405	1/4	202,761	1/4	203,123
1/2	110,299	1/2	120,445	1/2	130,808	1/2	141,170	1/2	151,578	1/2	171,939	1/2	182,301	1/2	192,663	1/2	203,023	1/2	203,385
3/4	110,515	3/4	120,661	3/4	131,024	3/4	141,386	3/4	151,748	3/4	172,197	3/4	182,559	3/4	192,921	3/4	203,281	3/4	203,643
1	110,731	1	120,877	1	131,239	1	141,602	1	151,964	1	172,411	1	182,773	1	193,135	1	203,495	1	203,857
1/4	110,946	1/4	121,093	1/4	131,455	1/4	141,818	1/4	152,179	1/4	172,627	1/4	182,989	1/4	193,351	1/4	203,707	1/4	204,069
1/2	111,162	1/2	121,309	1/2	131,671	1/2	142,034	1/2	152,395	1/2	172,839	1/2	183,201	1/2	193,563	1/2	203,919	1/2	204,281
3/4	111,378	3/4	121,525	3/4	131,887	3/4	142,249	3/4	152,610	3/4	172,999	3/4	183,361	3/4	193,723	3/4	204,081	3/4	204,443
1	111,594	1	121,741	1	132,103	1	142,465	1	152,826	1	173,159	1	183,521	1	193,883	1	204,243	1	204,605
1/4	111,810	1/4	121,956	1/4	132,319	1/4	142,681	1/4	153,042	1/4	173,371	1/4	183,733	1/4	194,095	1/4	204,455	1/4	204,817
1/2	111,810	1/2	122,172	1/2	132,535	1/2	142,897	1/2	153,251	1/2	173,585	1/2	183,947	1/2	194,307	1/2	204,667	1/2	205,029
3/4	112,026	3/4	122,388	3/4	132,751	3/4	143,113	3/4	153,463	3/4	173,797	3/4	184,159	3/4	194,519	3/4	204,877	3/4	205,239
1	112,242	1	122,604	1	132,967	1	143,329	1	153,676	1	174,009	1	184,371	1	194,729	1	205,087	1	205,449
1/4	112,458	1/4	122,820	1/4	133,182	1/4	143,545	1/4	153,886	1/4	174,221	1/4	184,583	1/4	194,941	1/4	205,297	1/4	205,659
1/2	112,674	1/2	123,036	1/2	133,398	1/2	143,761	1/2	154,056	1/2	174,435	1/2	184,797	1/2	195,155	1/2	205,507	1/2	205,869
3/4	112,889	3/4	123,252	3/4	133,614	3/4	143,977	3/4	154,266	3/4	174,649	3/4	185,009	3/4	195,367	3/4	205,717	3/4	206,079

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 08/19/2019 JS
 CALCULATED: 08/19/2019 CL
 PRINTED: 08/19/2019 CL
 CANCELS AND SUPERCEDES
 ALL PRIOR TO 08/2019

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